



Recombinant Rat Insulin gene enhancer protein ISL-1 (Isl1)

Product Code	CSB-EP011846RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P61374
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MGDMGDPPKK KRLISLCVGC GNQIHDQYIL RVSPDLEWHA ACLKCAECNQ YLDESCTCFV RDGKTYCKRD YIRLYGIKCA KCSIGFSKND FVMRARSKVY HIECFRCVAC SRQLIPGDEF ALREDGLFCR ADHDVVERAS LGAGDPLSPL HPARPLQMAA EPISARQPAL RPHVHKQPEK TTRVRTVLNE KQLHTLRTCY AANPRPDALM KEQLVEMTGL SPRVIRVWFQ NKRCKDKKRS IMMKQLQQQQ PNDKTNIQGM TGTPMVAASP ERHDGGLQAN PVEVQSYQPP WKVLSDFALQ SDIDQPAFQQ LVNFSEGGPG SNSTGSEVAS MSSQLPDTPN SMVASPIEA
Source	E.coli
Target Names	Isl1
Protein Names	Recommended name: Insulin gene enhancer protein ISL-1 Short name= Islet-1
Expression Region	1-349
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a member of the LIM/homeodomain family of transcription factors. The encoded protein binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. The encoded protein is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Mutations in this gene have been associated with maturity-onset diabetes of the young.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.